

[illegible]

[illegible]

(1) 2
(1) 47

MACROS, DATA
EXECUTABLE CODE

SATSUT11
V04-000

SATS SYSTEM SERVICE TESTS

G 3

16-SEP-1984 01:08:37 VAX/VMS Macro V04-00
5-SEP-1984 04:34:43 [UETPSY.SRC]SATSUT11.MAR;1

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```
0000 1 .TITLE SATSUT11 SATS SYSTEM SERVICE TESTS
0000 2 .SBTTL MACROS, DATA
0000 3 .IDENT 'V04-000'
0000 4
0000 5 *****
0000 6 *
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0000 25 *
0000 26 *****
0000 27
```



```
00000000 29 .PSECT RWDATA, RD, WRT, NOEXE
0000 30 : *
0000 31 : * THIS ROUTINE RUNS IN A PROCESS CREATED BY
0000 32 : * A PROCESS RUNNING THE SATSS56 IMAGE. ITS
0000 33 : * NORMAL STATE IS HIBERNATION. WHEN AWAKENED
0000 34 : * BY THE CREATING PROCESS, IT SETS ALL EVENT
0000 35 : * FLAGS IN THE CLUSTER SATSS56_CLUS; THEN
0000 36 : * IT SIGNALS COMPLETION OF THIS TASK BY
0000 37 : * WRITING A MAILBOX MESSAGE TO THE CREATOR;
0000 38 : * FINALLY, IT RETURNS TO HIBERNATION,
0000 39 : * AWAITING FURTHER REQUESTS.
0000 40 : *
0000 41 CLUS_NAME: STRING I, <SATSS56_CLUS> ; NAME FOR SUBJECT CLUSTER
0015 42 CREATOR: STRING I, <SATSS56> ; NAME OF CREATING PROCESS
0025 43 MBXBUF: STRING 0,1 ; MAILBOX BUFFER
00000030 002E 44 MBXCHAN: .BLKW 1 ; MAILBOX CHANNEL NUMBER
0030 45 MBXNAME: STRING I, <SATSS56_CRE> ; MAILBOX NAME
```


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V04-000

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			0044	47	.SBTTL	EXECUTABLE CODE
			00000000	48	.PSECT	SATSUT11,RD,WRT,EXE
		0000	0000	49	START:	
			0002	50	.WORD	0 ; ENTRY MASK
			0002	51	SATSUT11:	
			0017	52	\$ASSIGN_S	DEVNAM=MBXNAME, CHAN=MBXCHAN
			0017	53		; ASSIGN MAILBOX TO TALK TO CREATOR
			0017	54	10\$:	
			001E	55	\$HIBER_S	; SLEEP UNTIL CREATOR HAS WORK
58	40	8F	9A	56	MOVZBL	#64,R8 ; INIT R8 TO 1ST EFN IN CLUSTER
			0022	57	\$ASCEFC_S	EFN=R8, NAME=CLUS_NAME ; ASSOC. WITH CREATOR'S SUBJECT CLUSTER
			0035	58	20\$:	
			0035	59	\$SETEF_S	EFN=R8 ; SET A FLAG IN THE CLUSTER
FFEF	58	01	005F	60	ACBW	#95,#1,R8,20\$; GET NEXT FLAG AND LOOP
			0046	61	\$DACEFC_S	EFN=#64 ; FLAGS ALL SET; DISASSOCIATE
			0053	62	\$QIOW_S	CHAN=MBXCHAN, FUNC=#10\$ WRITEVBLK, -
			0053	63		P1=MBXBUFF+8, P2=MBXBUFF ; SIGNAL CREATOR THAT WORK IS DONE
		FF98	31	64	BRW	10\$; GO SLEEP UNTIL CREATOR CALLS AGAIN
			04	65	RET	; RETURN TO SYSTEM
			0080		.END	START

SATSUT11
Symbol table

SATS SYSTEM SERVICE TESTS

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```
$$$CHARS      = 0000000C
$$$STRINGS    = 00000000
$$T1          = 00000001
CLUS_NAME     00000000 R      01
CREATOR       00000015 R      01
IOS_WRITEVBLK ***** X    02
MBXBUF        00000025 R      01
MBXCHAN       0000002E R      01
MBXNAME       00000030 R      01
SATSUT11      00000002 R      02
START         00000000 R      02
SYSSASCEFC    ***** GX    02
SYSSASSIGN    ***** GX    02
SYSSDACEFC    ***** GX    02
SYSSHIBER     ***** GX    02
SYSSQIOW      ***** GX    02
SYSSSETEF     ***** GX    02
```

-----+
! Psect synopsis !
-----+
-----+

PSECT name	Allocation	PSECT No.	Attributes															
. ABS .	00000000 (0.)	00 (0.)	NOPIC	USR	CON	ABS	LCL	NOSHR	NOEXE	NORD	NOWRT	NOVEC	BYTE					
RWDATA	00000044 (68.)	01 (1.)	NOPIC	USR	CON	REL	LCL	NOSHR	NOEXE	RD	WRT	NOVEC	BYTE					
SATSUT11	00000080 (128.)	02 (2.)	NOPIC	USR	CON	REL	LCL	NOSHR	EXE	RD	WRT	NOVEC	BYTE					

-----+
! Performance indicators !
-----+
-----+

Phase	Page faults	CPU Time	Elapsed Time
Initialization	36	00:00:00.07	00:00:00.28
Command processing	135	00:00:00.69	00:00:02.62
Pass 1	141	00:00:01.26	00:00:04.79
Symbol table sort	0	00:00:00.00	00:00:00.00
Pass 2	34	00:00:00.27	00:00:00.61
Symbol table output	3	00:00:00.02	00:00:00.02
Psect synopsis output	1	00:00:00.02	00:00:00.02
Cross-reference output	0	00:00:00.00	00:00:00.00
Assembler run totals	352	00:00:02.36	00:00:08.37

The working set limit was 1200 pages.

4236 bytes (9 pages) of virtual memory were used to buffer the intermediate code.

There were 10 pages of symbol table space allocated to hold 17 non-local and 2 local symbols.

65 source lines were read in Pass 1, producing 13 object records in Pass 2.

12 pages of virtual memory were used to define 11 macros.

+-----+
! Macro library statistics !
+-----+

Macro library name

Macros defined

\$255\$DUA28:[SHRLIB]UETP.MLB;1
\$255\$DUA28:[SYS.OBJ]LIB.MLB;1
\$255\$DUA28:[SYSLIB]STARLET.MLB;2
TOTALS (all libraries)

1
0
10
11

134 GETS were required to define 11 macros.

There were no errors, warnings or information messages.

MACRO/LIS=LIS\$:SATSUT11/OBJ=OBJ\$:SATSUT11 MSRC\$:SATSUT11/UPDATE=(ENH\$:SATSUT11)+EXECML\$/LIB+SHRLIB\$:UETP/LIB

0426 AH-BT13A-SE
VAX/VMS V4.0

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